L4 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 2002:353270 CAPLUS
DN 136:363861
TI Use of 20-HETE synthesizing enzyme inhibitors as therapy for cerebral vascular diseases
IN Roman, Richard J.; Harder, David R.; Miyata, Noriyuki; Sato, Masakazu; Kameo, Kazuya; Okuyama, Shigeru
PA MCW Research Foundation, Inc., USA; Taisho Pharmaceutical Co., Ltd.
SO PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002036108	A2	20020510	WO 2001-US27605	20010906

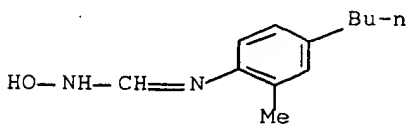
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-245638P P 20001103

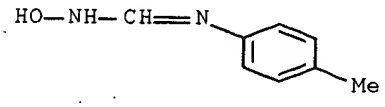
AB A method for treating cerebral vascular diseases in a human or non-human animal is disclosed. The method involves inhibiting 20-HETE synthesizing enzyme activity sufficiently to increase or prevent a decrease in cerebral blood flow in the human or non-human animal.

IT **339068-25-6**, HET0016
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(use of 20-HETE synthesizing enzyme inhibitors as therapy for cerebral vascular diseases by increasing cerebral blood flow)

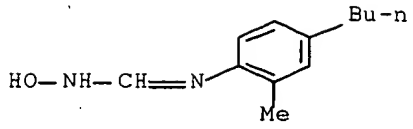
RN 339068-25-6 CAPLUS
CN Methanimidamide, N-(4-butyl-2-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



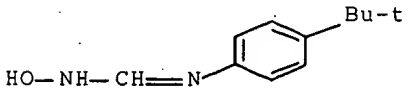
L4 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 2001:872188 CAPLUS
DN 136:179707
TI Discovery of a N'-hydroxyphenylformamidine derivative HET0016 as a potent
and selective 20-HETE synthase inhibitor
AU Sato, Masakazu; Ishii, Takaaki; Kobayashi-Matsunaga, Yuko; Amada, Hideaki;
Taniguchi, Kazuo; Miyata, Noriyuki; Kameo, Kazuya
CS Medicinal Research Laboratories, Taisho Pharmaceutical Co., Ltd., Saitama,
Saitama, 330-8530, Japan
SO Bioorganic & Medicinal Chemistry Letters (2001), 11(23), 2993-2995
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
AB N-(4-Butyl-2-methylphenyl)-N'-hydroxyformamidine (HET0016) was evaluated as the first potent and selective inhibitor of 20-hydroxy-5,8,11,14-eicosatetraenoic acid (20-HETE) synthase. The IC50 value of HET0016 for the prodn. of 20-HETE from arachidonic acid (AA) by human renal microsomes
was 8.9 nM, with over 200 times the selectivity of xenobiotic-metabolizing
cytochrome P 450 enzymes. An examn. of the structure-activity relation revealed that the unsubstituted hydroxyformamidine moiety and the substituent at the para-position of the N-hydroxyformamidine moiety are necessary for the potent activity of HET0016.
IT **90619-09-3P 339068-25-6P**, HET 0016 **339068-26-7P**
339068-27-8P 339068-28-9P 339068-33-6P
339068-37-0P 339068-48-3P 339069-45-3P
339069-46-4P 339069-47-5P 339070-41-6P
339071-33-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(discovery of a N'-hydroxyphenylformamidine deriv. HET0016 as a potent
and selective 20-HETE synthase inhibitor)
RN 90619-09-3 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-methylphenyl)- (9CI) (CA INDEX NAME)



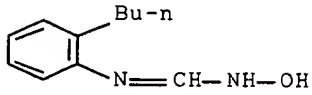
RN 339068-25-6 CAPLUS
CN Methanimidamide, N-(4-butyl-2-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



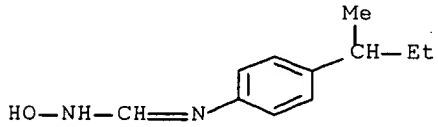
RN 339068-26-7 CAPLUS
CN Methanimidamide, N-[4-(1,1-dimethylethyl)phenyl]-N'-hydroxy- (9CI) (CA INDEX NAME)



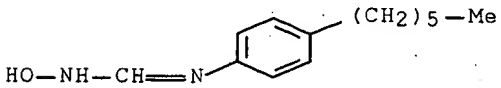
RN 339068-27-8 CAPLUS
CN Methanimidamide, N-(2-butylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



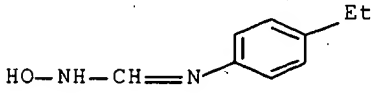
RN 339068-28-9 CAPLUS
CN Methanimidamide, N-hydroxy-N'-[4-(1-methylpropyl)phenyl]- (9CI) (CA INDEX NAME)



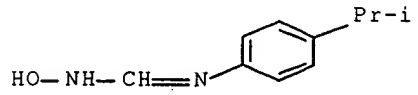
RN 339068-33-6 CAPLUS
CN Methanimidamide, N-(4-hexylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



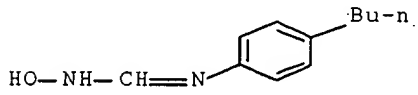
RN 339068-37-0 CAPLUS
CN Methanimidamide, N-(4-ethylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



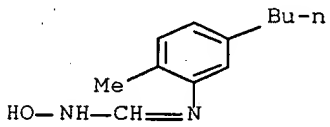
RN 339068-48-3 CAPLUS
CN Methanimidamide, N-hydroxy-N'-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



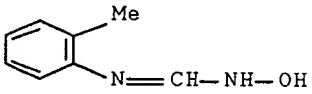
RN 339069-45-3 CAPLUS
CN Methanimidamide, N-(4-butylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



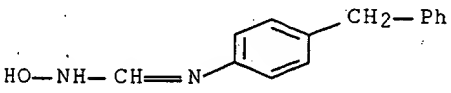
RN 339069-46-4 CAPLUS
CN Methanimidamide, N-(5-butyl-2-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



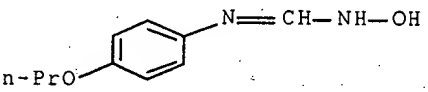
RN 339069-47-5 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(2-methylphenyl)- (9CI) (CA INDEX NAME)



RN 339070-41-6 CAPLUS
CN Methanimidamide, N-hydroxy-N'-[4-(phenylmethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 339071-33-9 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-propoxyphenyl)- (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 2001:830885 CAPLUS
DN 135:357921
TI Preparation of 5-amino-4-aroyl-1-arylpyrazoles as p-38 MAP kinase inhibitors.
IN Goldstein, David Michael; Labadie, Sharada Shenvi; Rotstein, David Mark; Sjogren, Eric Brian; Talamas, Francisco Xavier
PA Syntex (U.S.A.) Llc, USA
SO U.S., 41 pp., Cont.-in-part of U.S. Ser. No. 305,737.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

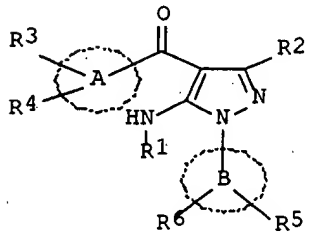
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6316466	B1	20011113	US 1999-401141	19990922
	US 6376527	B1	20020423	US 1999-305737	19990505
	WO 2001021591	A1	20010329	WO 2000-EP8981	20000914

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI	US 1998-84250P	P	19980505
	US 1999-122410P	P	19990302
	US 1999-130369P	P	19990421
	US 1999-305737	A2	19990505
	US 1999-401141	A	19990922

OS MARPAT 135:357921
GI



I

AB Title compds. [I; R1 = H, acyl; R2 = H, alkyl; A, B = aryl, heteroaryl; R3 = amino, acylamino, (substituted) heterocyclyl, aryl, heteroaryl, heteroalkyl, etc.; R4 = H, halo, alkyl, alkoxy, OH; R5 = H, halo, alkyl, haloalkyl, OH, amino, etc.; R6 = H, halo, alkyl, alkoxy], were prepd. and formulated. Thus, 5-amino-4-(3-bromobenzoyl)-1-(4-fluorophenyl)pyrazole (prepn. given), 4-(2-propynyl)morpholine (prepn. given), (PPh3)2PdCl2, and

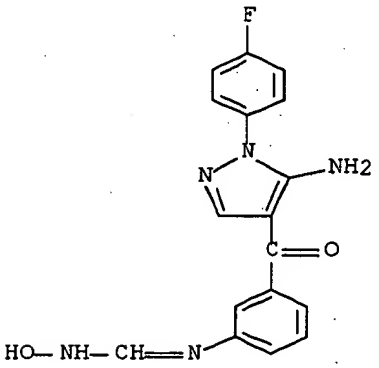
CuI were heated in diisopropylamine at 70.degree. for 10 h to give 5-amino-1-(4-fluorophenyl)-4-[3-(3-morpholin-4-ylprop-1-ynyl)benzoyl]pyrazole hydrochloride. Tested I inhibited LPS-induced TNF.alpha. prodn. in THP1 cells with IC50 = 0.17-1.77 .mu.M.

IT **249935-71-5P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of aminoaroylarylpyrazoles as p-38 MAP kinase inhibitors)

RN 249935-71-5 CAPLUS

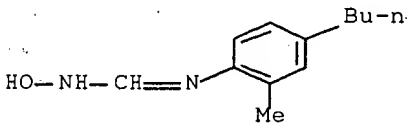
CN Methanimidamide, N-[3-[[5-amino-1-(4-fluorophenyl)-1H-pyrazol-4-yl]carbonyl]phenyl]-N'-hydroxy- (9CI) (CA INDEX NAME)



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 2001:430085 CAPLUS
DN 135:235866
TI HET0016, a potent and selective inhibitor of 20-HETE synthesizing enzyme
AU Miyata, Noriyuki; Taniguchi, Kazuo; Seki, Takayuki; Ishimoto, Tsuyoshi; Sato-Watanabe, Mariko; Yasuda, Yoshiko; Doi, Mariko; Kametani, Shunichi; Tomishima, Yasumitsu; Ueki, Tomokazu; Sato, Masakazu; Kameo, Kazuya
CS Medicinal Research Laboratories, Taisho Pharmaceutical Co. Ltd., Saitama, 330-8530, Japan
SO British Journal of Pharmacology (2001), 133(3), 325-329
CODEN: BJPCBM; ISSN: 0007-1188
PB Nature Publishing Group
DT Journal
LA English
AB The present study examd. the inhibitory effects of N-Hydroxy-N'-(4-butyl-2-methylphenyl)-formamidine (HET0016) on the renal metab. of arachidonic acid by cytochrome P 450 (CYP) enzymes. HET0016 exhibited a high degree of selectivity in inhibiting the formation of 20-hydroxy-5,8,11,14-eicosatetraenoic acid (20-HETE) in rat renal microsomes. The IC50 value averaged 35.+-.4 nM, whereas the IC50 value for inhibition of the formation of epoxyeicosatrienoic acids by HET0016 averaged 2800.+-.300 nM.

In human renal microsomes, HET0016 potently inhibited the formation of 20-HETE with an IC50 value of 8.9.+-.2.7 nM. Higher concns. of HET0016 also inhibited the CYP2C9, CYP2D6 and CYP3A4-catalyzed substrates oxidn. with IC50 values of 3300, 83,900 and 71,000 nM. The IC50 value for HET0016 on cyclooxygenase activity was 2300 nM. These results indicate that HET0016 is a potent and selective inhibitor of CYP enzymes responsible for the formation of 20-HETE in man and rat.
IT **339068-25-6**, HET 0016
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(HET0016, a potent and selective inhibitor of 20-HETE synthesizing enzyme)
RN 339068-25-6 CAPLUS
CN Methanimidamide, N-(4-butyl-2-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)

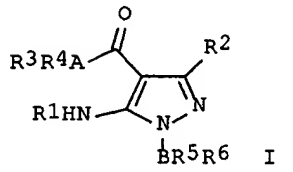


RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 2001:228861 CAPLUS
DN 134:266303
TI Preparation of 5-amino-4-aroyl-1-arylpyrazoles as p-38 MAP kinase inhibitors.
IN Goldstein, David Michael; Labadie, Sharada Shenvi; Rotstein, David Mark; Sjogren, Eric Brian; Talamas, Francisco Xavier
PA F. Hoffmann-La Roche A.-G., Switz.
SO PCT Int. Appl., 112 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001021591	A1	20010329	WO 2000-EP8981	20000914
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6316466	B1	20011113	US 1999-401141	19990922
PRAI	US 1999-401141	A	19990922		
	US 1998-84250P	P	19980505		
	US 1999-122410P	P	19990302		
	US 1999-130369P	P	19990421		
	US 1999-305737	A2	19990505		

OS MARPAT 134:266303
GI

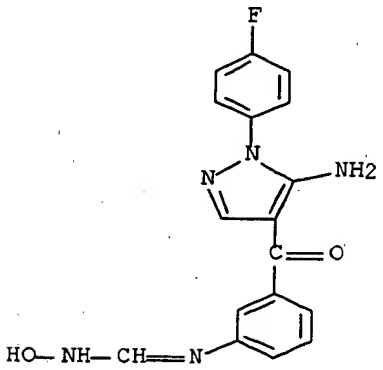


I

AB Title compds. [I; R1 = H, acyl; A, B = aryl, heteroaryl; R3 = amino, acylamino, (substituted) heterocyclyl, aryl, heteroaryl, heteroalkyl, etc.; R4 = H, halo, alkyl, alkoxy, OH; R5 = H, halo, alkyl, haloalkyl, OH, amino, thioalkyl, heteroalkyl, (substituted) heterocyclyl, etc.; R6 = H, halo, alkyl, alkoxy], were prepd. Thus, 5-amino-4-(3-bromobenzoyl)-1-(4-fluorophenyl)pyrazole (prepn. given), 4-(2-propynyl)morpholine (prepn. given), (PPh3)2PdCl2, and CuI were heated in diisopropylamine at 70.degree. for 10 h to give 5-amino-1-(4-fluorophenyl)-4-[3-(3-morpholin-4-ylprop-1-ynyl)benzoyl]pyrazole hydrochloride. Tested I inhibited LPS-induced TNF.alpha. prodn. in THP1 cells with IC50 = 0.17-1.77 .mu.M.

IT **249935-71-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)(prepn. of aminoaroylarylpyrazoles as p-38 MAP kinase inhibitors)

RN 249935-71-5 CAPLUS
CN Methanimidamide, N-[3-[[5-amino-1-(4-fluorophenyl)-1H-pyrazol-4-yl]carbonyl]phenyl]-N'-hydroxy- (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

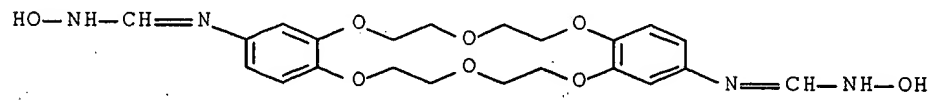
L4 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 2001:2068 CAPLUS
DN 134:353167
TI Synthesis of amidinobenzocrown ethers and their derivatives
AU Gorodnyuk, V. P.; Zlotskii, S. S.; Kotlyar, S. A.
CS Ufim. Gos. Neftyanoi Tekh. Univ., Ufa, 450062, Russia
SO Bashkirskii Khimicheskii Zhurnal (2000), 7(2), 5-9
CODEN: BKZHFU; ISSN: 0869-8406
PB Izdatel'stvo "Reaktiv"
DT Journal
LA Russian
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

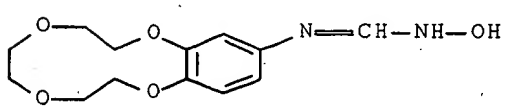
AB Amidinobenzocrown ethers, e.g. I [R = H, Me, Ph; R1 = R2 = Me; R1R2 = (CH2)4, (CH2)5, CH2CH2OCH2CH2, (CH2)6], were prepd. by condensation of aminobenzocrown ethers, e.g. II, with amide acetals R1R2NCR(OMe)2.

IT **125580-04-3P 339200-66-7P 339200-68-9P**
339200-73-6P 339200-74-7P 339200-75-8P
339200-78-1P 339200-79-2P 339200-80-5P
339200-81-6P 339200-98-5P 339200-99-6P
339201-00-2P 339201-01-3P 339201-02-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of amidinobenzocrown ethers by condensation of aminobenzocrown
ethers with amide acetals)

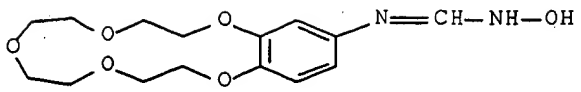
RN 125580-04-3 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,17,18,20,21-octahydrodibenzo[b,k][1,4,7,10,13,16]hexaoxacyclooctadecin-2,13-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



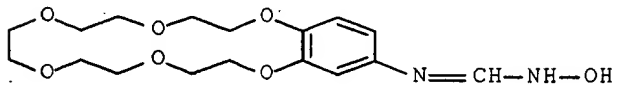
RN 339200-66-7 CAPLUS
CN Methanimidamide, N-(2,3,5,6,8,9-hexahydro-1,4,7,10-benzotetraoxacyclododecin-12-yl)-N'-hydroxy- (9CI) (CA INDEX NAME)



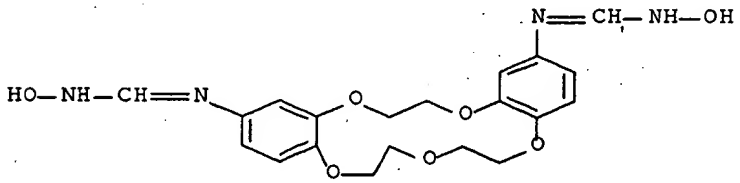
RN 339200-68-9 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(2,3,5,6,8,9,11,12-octahydro-1,4,7,10,13-benzopentaoxacyclopentadecin-15-yl)- (9CI) (CA INDEX NAME)



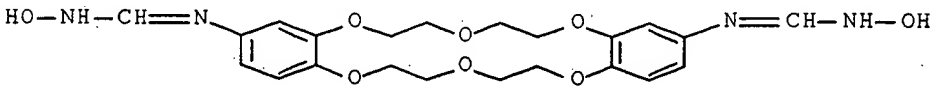
RN 339200-73-6 CAPLUS
CN Methanimidamide, N-(2,3,5,6,8,9,11,12,14,15-decahydro-1,4,7,10,13,16-benzohexaoxacyclooctadecin-18-yl)-N'-hydroxy- (9CI) (CA INDEX NAME)



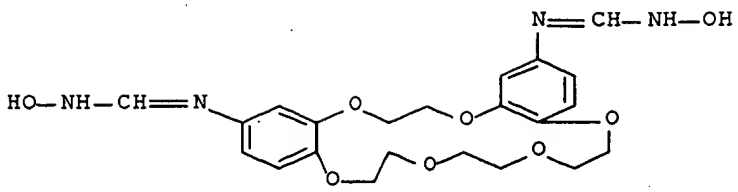
RN 339200-74-7 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,17,18-hexahydrodibenzo[b,h][1,4,7,10,13]pentaoxacyclopentadecin-2,14-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



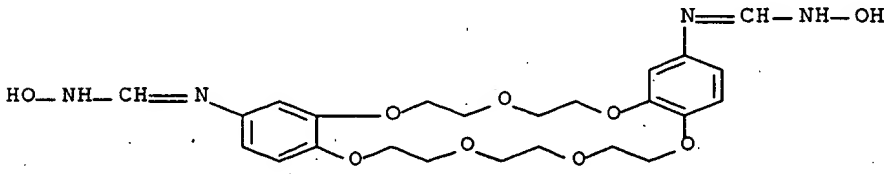
RN 339200-75-8 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,17,18,20,21-octahydrodibenzo[b,k][1,4,7,10,13,16]hexaoxacyclooctadecin-2,14-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



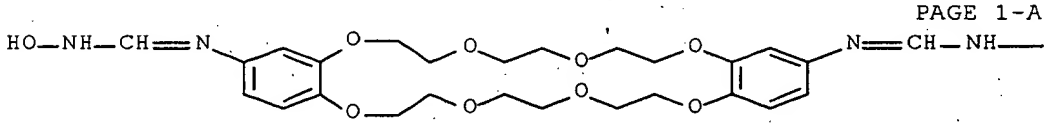
RN 339200-78-1 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,20,21-octahydrodibenzo[b,h][1,4,7,10,13,16]hexaoxacyclooctadecin-2,17-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



RN 339200-79-2 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,20,21,23,24-decahydrodibenzo[b,k][1,4,7,10,13,16,19]heptaoxacycloheneicosin-2,17-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



RN 339200-80-5 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,20,21,23,24,26,27-dodecahydrodibenz[b,n][1,4,7,10,13,16,19,22]octaoxacyclotetracosin-2,17-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)

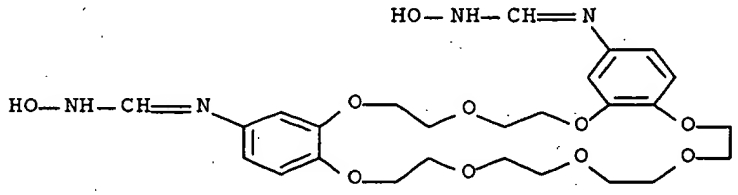


PAGE 1-A

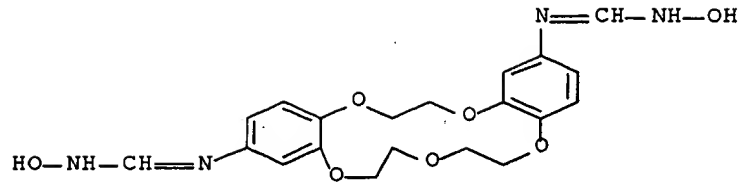
PAGE 1-B

—OH

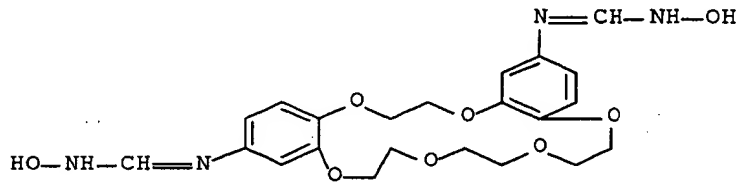
RN 339200-81-6 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,15,16,23,24,26,27-dodecahydrodibenz[b,k][1,4,7,10,13,16,19,22]octaoxacyclotetracosin-2,20-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



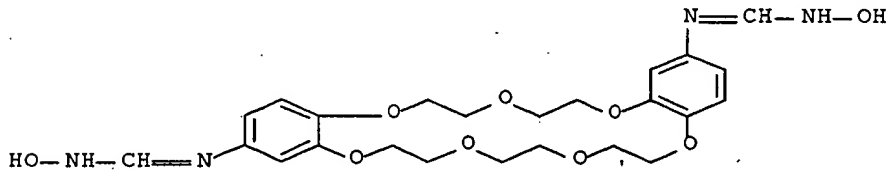
RN 339200-98-5 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,17,18-hexahydrodibenzo[b,h][1,4,7,10,13]pentaoxacyclopentadecin-2,13-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



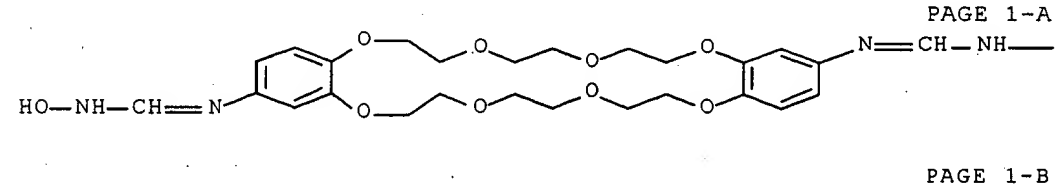
RN 339200-99-6 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,20,21-octahydrodibenzo[b,h][1,4,7,1 0,13,16]hexaoxacyclooctadecin-2,16-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



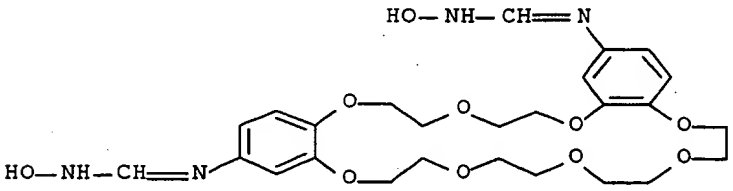
RN 339201-00-2 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,20,21,23,24-decahydrodibenzo[b,k][1,4,7,10,13,16,19]heptaoxacycloheneicosin-2,16-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



RN 339201-01-3 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,20,21,23,24,26,27-dodecahydrodibenz[b,n][1,4,7,10,13,16,19,22]octaoxacyclotetracosin-2,16-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



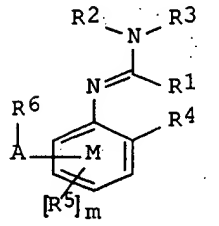
RN 339201-02-4 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,12,13,15,16,23,24,26,27-dodecahydrodibenz[b,k][1,4,7,10,13,16,19,22]octaoxacyclotetracosin-2,19-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 2000:553541 CAPLUS
DN 133:163952
TI Preparation of N2-phenylamidines as fungicides
IN Charles, Mark David; Franke, Wilfried; Green, David Eric; Hough, Thomas Lawley; Mitchell, Dale Robert; Simpson, Donald James; Atherall, John Frederick
PA Hoechst Schering Agrevo G.m.b.H., Germany
SO PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000046184	A1	20000810	WO 2000-GB345	20000204
	W: AU, BR, CA, CN, CZ, HU, IL, IN, JP, KR, MX, RU, TR, UA, US, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 1150944	A1	20011107	EP 2000-901791	20000204
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	BR 2000009314	A	20020213	BR 2000-9314	20000204
PRAI	GB 1999-2592	A	19990206		
	WO 2000-GB345	W	20000204		

OS MARPAT 133:163952
GI



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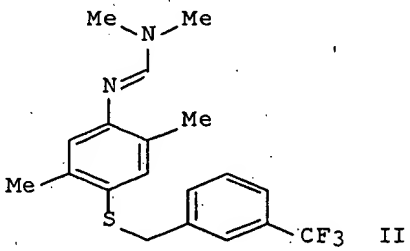


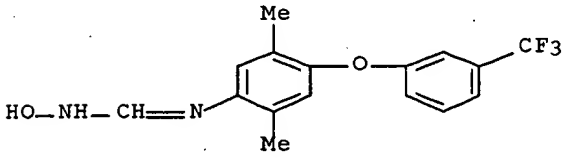
II

AB The title compds. [I; R1 = alkyl, alkenyl, alkynyl, etc.; R2, R3 = R1, CN, acyl, etc.; R2 and R3, or R2 and R1, together with their interconnecting atoms may form (un)substituted ring; R4 = alkyl, alkenyl, alkynyl, etc.; m = 0-3; when present R5 = R4; R6 = (un)substituted carbo- or heterocyclyl; A = a direct bond, O, C.tplbond.C, etc.; AR6 and R5 together with benzene ring M form an (un)substituted fused ring system], useful as fungicides, were prepd. E.g., a 3-step prepn. of the formamidine II which showed moderate to total control against Erysiphe graminis f. sp. Tritici at 500 ppm (w/v) or less, was given.
IT **287938-56-1P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except

adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of N2-phenylamidines as fungicides)

RN 287938-56-1 CAPLUS

CN Methanimidamide, N-[2,5-dimethyl-4-[3-(trifluoromethyl)phenoxy]phenyl]-N'-
hydroxy- (9CI) (CA INDEX NAME)

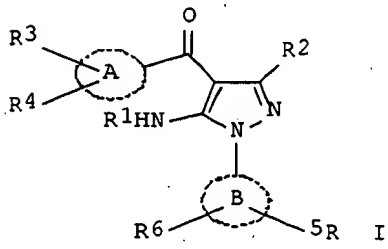


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

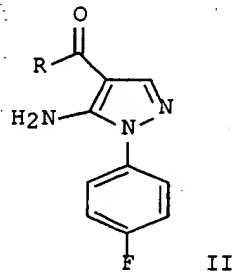
L4 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1999:723019 CAPLUS
DN 131:337035
TI Preparation of 5-aminopyrazole derivatives as p-38 MAP kinase inhibitors
IN Labadie, Sharada Shenvi; Rotstein, David Mark; Sjogren, Eric Brian; Talamas, Francisco Xavier
PA F. Hoffmann-La Roche AG, Switz.
SO PCT Int. Appl., 132 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9957101	A1	19991111	WO 1999-EP2879	19990428
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2329065	AA	19991111	CA 1999-2329065	19990428
	AU 9940348	A1	19991123	AU 1999-40348	19990428
	BR 9911013	A	20010206	BR 1999-11013	19990428
	EP 1075467	A1	20010214	EP 1999-923484	19990428
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002513784	T2	20020514	JP 2000-547071	19990428
	NO 2000005535	A	20001102	NO 2000-5535	20001102
PRAI	US 1998-84250P	P	19980505		
	US 1999-122410P	P	19990302		
	WO 1999-EP2879	W	19990428		

OS MARPAT 131:337035
GI



I



II

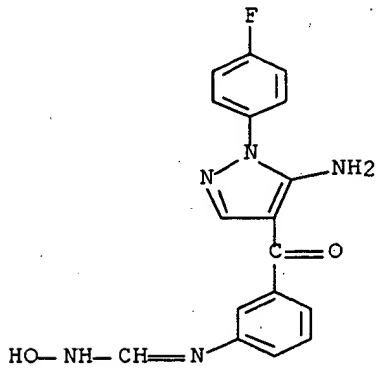
AB The present invention relates to certain pyrazole derivs. of Formula (I; R1 = hydrogen, acyl, P(O)(OH)2; R2 = hydrogen, halo, alkyl, alkylthio; ring A = aryl, heteroaryl, heterocyclyl ring optionally fused to a Ph

ring
provided that the heterocyclyl ring is attached to the carbonyl group via
a carbon ring atom; ring B = aryl or heteroaryl ring; R3 = amino, alkylamino, dialkylamino, acylamino, optionally substituted heterocyclyl,
optionally substituted aryl or heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkoxy, heteroalkylamino, etc.; R4 = hydrogen, halo,
alkyl, alkoxy, hydroxy; R5 = hydrogen, halo, alkyl, haloalkyl, thioalkyl,
hydroxy, amino, alkylamino, dialkylamino, heteroalkyl, optionally substituted heterocycle, optionally substituted heterocyclylalkyl,
optionally substituted heterocyclylalkoxy, alkylsulfonyl, etc.) that are p-38 MAP kinase inhibitors, pharmaceutical compns. contg. them, methods for their use for the treatment and prophylaxis of inflammatory diseases,
and methods for prepg. these compds. A mixt. of 4-fluorophenylhydrazine (1.0 g, 6.8 mmol) and 2-[3-(2-morpholin-4-ylethoxy)benzoyl]-3-phenylaminoacrylonitrile (2.0 g, 5.3 mmol) in ethanol (30 mL) was heated at reflux under a nitrogen atm. for 6 h to give, after purifn. by flash chromatog., 5-amino-1-(4-fluorophenyl)-4-[3-(2-morpholin-4-ylethoxy)benzoyl]pyrazole (II; R = 3-(2-morpholin-4-ylethoxy)phenyl) (III)
which was converted to the hydrochloride salt. III.HCl and II [R = 3-(4-benzylpiperidin-1-yl)phenyl] (IV) showed IC50 of 1.27 and 1.12 .mu.M,
resp., against p-38 MAP kinase. IV showed IC50 of 0.14 .mu.M for inhibition of LPS-Induced TNF-a prodn. in THP1 cells.

IT **249935-71-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)(prepn. of 5-aminopyrazole derivs. as p-38 MAP kinase inhibitors for treatment and prophylaxis of inflammatory diseases)

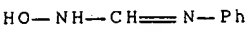
RN 249935-71-5 CAPLUS

CN Methanimidamide, N-[3-[[5-amino-1-(4-fluorophenyl)-1H-pyrazol-4-yl]carbonyl]phenyl]-N'-hydroxy- (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1993:443231 CAPLUS
DN 119:43231
TI Relationships between fungitoxic and physicochemical properties of N-phenylformamidoxime compounds
AU Nakata, Akira; Kumita, Izumi; Hashimoto, Sho; Sano, Shinsuke; Hayakawa, Koichi
CS Odawara Res. Cent., Nippon Soda Co., Ltd., Odawara, 250-02, Japan
SO J. Pestic. Sci. (Int. Ed.) (1993), 18(1), 25-9
CODEN: JPESEC; ISSN: 0916-9962
DT Journal
LA English
AB This paper is on relationships between systemic, curative and residual efficacies of 17 N-phenylformamidoximes in control of gray mold of kidney bean and cucumber, and Cercospora leaf spot of sugar beet infected with isolates resistant to benzimidazoles and preventive efficacy or log P of the compds. Against these diseases both systemic and curative efficacies increased as log P values decreased, and residual efficacy showed a pos. correlation to log P values. Systemic, curative and residual efficacies of the compds. in control of the plant diseases were primarily dependent on their intrinsic activity and hydrophobicity.
IT **6274-32-4D**, derivs.
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BIOL (Biological study); USES (Uses)
(fungicidal activity of, physicochem. properties in relation to)
RN 6274-32-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-phenyl- (9CI) (CA INDEX NAME)

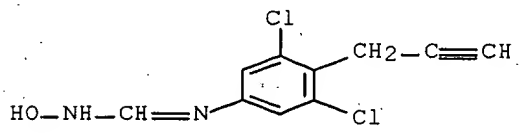


L4 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1993:54211 CAPLUS
DN 118:54211
TI Quantitative structure-activity relationships of fungicidal N-phenylformamidoximes
AU Hayakawa, Koichi; Nakayama, Akira; Nishikawa, Hiroaki; Nakata, Akira; Sano, Shinsuke; Yokota, Chinami
CS Odawara Res. Cent., Nippon Soda Co., Ltd., Odawara, 250-02, Japan
SO J. Pestic. Sci. (Int. Ed.) (1992), 17(1), 17-25
CODEN: JPESEC
DT Journal
LA English
AB Fungicidal activity of N-phenylformamidoximes against Botrytis cinerea resistant to benzimidazole fungicides was analyzed quant. by using their physicochem. and structural parameters and regression anal. Steric and electronic effects of substituents at the 4-position of the 3,5-dichlorophenyl group are important for fungicidal activity and the fungitoxic property in terms of neg. correlated cross-resistance to benzimidazole fungicides. The effects of oxime O-substituents were expressed by steric and hydrophobic parameters in the anal. of compds. having a 3,5-dichloro-4-propynyloxyphenyl group. Further anal. for a larger data set including variations in both substituents gave a regression equation, which indicates significant contribution of hydrophobic, steric and electronic properties to the fungicidal activity.

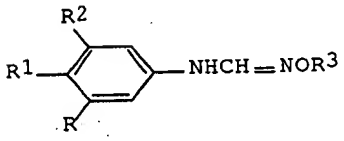
For the steric effects, the optimum sizes of substituents were presented by regression equations. Thus, steric and electronic interactions are important for mol. recognition at the receptor. Transportation to the active site effectively controls the biol. response as expressed by hydrophobic parameters.

IT **145525-02-6P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and fungicidal activity of, quant. structure-activity relationships of)

RN 145525-02-6 CAPLUS
CN Methanimidamide, N-[3,5-dichloro-4-(2-propynyl)phenyl]-N'-hydroxy- (9CI) (CA INDEX NAME)



L4 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1992:526306 CAPLUS
DN 117:126306
TI Studies on fungicidal N-phenylformamidoximes. II. Quantitative structure-activity relationships of fungicidal N-phenylformamidoximes
AU Hayakawa, Koichi; Nakayama, Akira; Nishikawa, Hiroaki; Nakata, Akira; Sano, Shinsuke; Yokota, Chinami
CS Odawara Res. Cent., Nippon Soda Co., Ltd., Odawara, 250-02, Japan
SO Nippon Noyaku Gakkaishi (1992), 17(1), 17-25
CODEN: NNGADV; ISSN: 0385-1559
DT Journal
LA English
GI

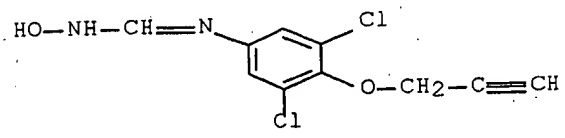


I

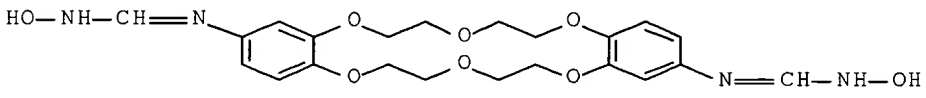
AB Seventy-seven derivs. of N-phenylformamidoxime (I) were synthesized and tested for their fungicidal activities toward Botrytis cinerea resistant to benzimidazole fungicides, and their structure-activity relationships quant. analyzed. Of 39 I (R3 = Et), R1 to R3 = Cl, Me, OEt had high activities. Results of the quant. anal. of 20 I (R = R2 = Cl; R3 = Et) revealed that the steric and electronic effects of R1 were important for the fungicidal activities and their fungitoxicities in terms of neg. correlated cross-resistance to benzimidazole fungicides, CH.tplbond.CCH2O giving the optimum value fo the steric effect. Activities of 21 I (R = R2 = Cl; R1 = OCH2C.tplbond.CH) was correlated neg. with mol. hydrophobicity and parabolically with the max. width of R3. I (R = R2 = Cl; R1 = OCH2C.tplbond.CH; R3 = Me) was selected as one of the most effective compds.

IT **143034-34-8P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and fungicidal activity of, quant. structure-activity relationships of)

RN 143034-34-8 CAPLUS
CN Methanimidamide, N-[3,5-dichloro-4-(2-propynyloxy)phenyl]-N'-hydroxy- (9CI) (CA INDEX NAME)



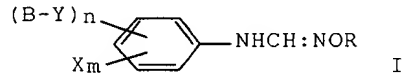
L4 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1990:115588 CAPLUS
DN 112:115588
TI Synthesis and antimicrobial activity of aminobenzo crown ethers
AU Kotlyar, S. A.; Gorodnyuk, V. P.; Konup, I. P.; Konup, L. A.
CS Odess. Gos. Univ., Odessa, USSR
SO Khim.-Farm. Zh. (1989), 23(11), 1342-6
CODEN: KHFZAN; ISSN: 0023-1134
DT Journal
LA Russian
OS CASREACT 112:115588
AB Novel acylamido-, amidino-substituted derivs. of benzo-15-crown-5, dibenzo-18-crown-6 and dibenzo-24-crown-8 were synthesized. Their structures were detd. by anal. physicochem. methods. Some of the compds.
synthesized had moderate antimicrobial activity.
IT **125580-04-3P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antibacterial activity of, structure in relation to)
RN 125580-04-3 CAPLUS
CN Methanimidamide, N,N''-(6,7,9,10,17,18,20,21-octahydrodibenzo[b,k][1,4,7,10,13,16]hexaoxacyclooctadecin-2,13-diyl)bis[N'-hydroxy- (9CI) (CA INDEX NAME)



L4 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1987:151627 CAPLUS
DN 106:151627
TI Formamide oxime derivative fungicides and insecticides
IN Hayakawa, Koichi; Nishikawa, Hiroaki; Hashimoto, Akira
PA Nippon Soda Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 64 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 61165360	A2	19860726	JP 1985-5403	19850116

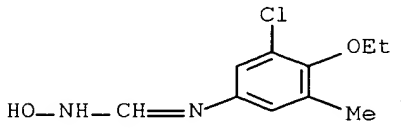
OS CASREACT 106:151627
GI



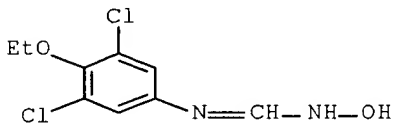
I

AB Formamide oxime derivs. I [X = halo, NO2, CN, CHO, alkylcarbonyl, CO2H, alkoxycarbonyl, alkenyloxycarbonyl, alkynyloxycarbonyl, CONH2, alkylcarbamoyl, etc.; B = O, S, SO, SO2, NR1; Y = H, halo, CN, cycloalkyl, alkylcarbonyloxy, alkylcarbonyl, alkoxycarbonyl, OH, alkoxy, alkylthio, ureido, etc.; m, n = 0-5; R = (un)substituted Ph, halo, CN, alkoxy, alkylthio, alkoxycarbonyl, etc.; R1 = H, alkyl] are prepd. as fungicides and insecticides. Thus, 27.9 g 4-amino-2,6-diethylphenol was treated with HC(OEt)3 in 100 mL AcOEt followed by treatment with 11.2 g EtONH2 to give 37.89 N-(3,5-diethyl-4-hydroxyphenyl)-N'-ethoxyformamidine. To 9.0 g of this product was added 6.55 g EtI and 5.3 g K2CO3 in 50 mL acetone to give 9.9 g N-(3,5-diethyl-4-ethoxyphenyl)-N'-ethoxyformamidine (II). II, applied at 200 ppm, totally controlled Botrytis cinerea on bean.

IT **98868-60-1**
RL: RCT (Reactant) (allylation of, with allyl bromide)
RN 98868-60-1 CAPLUS
CN Methanimidamide, N-(3-chloro-4-ethoxy-5-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



IT **98868-61-2**
RL: RCT (Reactant)(ethylation of, with di-Et sulfate)
RN 98868-61-2 CAPLUS
CN Methanimidamide, N-(3,5-dichloro-4-ethoxyphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)

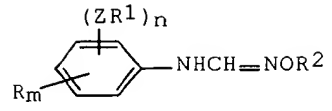


L4 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1985:578031 CAPLUS
DN 103:178031
TI Formamidoxime derivatives
IN Hayakawa, Koichi; Nishikawa, Hiroaki; Hashimoto, Sho
PA Nippon Soda Co., Ltd. , Japan
SO Eur. Pat. Appl., 151 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 132881	A1	19850213	EP 1984-201035	19840711
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
	JP 60019759	A2	19850131	JP 1983-127825	19830715
	JP 60078954	A2	19850504	JP 1983-187004	19831007
	JP 60078955	A2	19850504	JP 1983-187005	19831007
	JP 60174758	A2	19850909	JP 1984-29505	19840221
	JP 60174759	A2	19850909	JP 1984-29506	19840221
	JP 60174757	A2	19850909	JP 1984-29504	19840221
	JP 60178854	A2	19850912	JP 1984-35020	19840225
	JP 60215603	A2	19851029	JP 1984-69129	19840409
	AU 8430229	A1	19850117	AU 1984-30229	19840703
	IN 158923	A	19870221	IN 1984-CA489	19840709
	ZA 8405289	A	19850529	ZA 1984-5289	19840710
	SE 8403711	A	19850116	SE 1984-3711	19840713
	DK 8403469	A	19850116	DK 1984-3469	19840713
	BR 8403509	A	19850625	BR 1984-3509	19840713
	HU 36088	A2	19850828	HU 1984-2744	19840713
	ES 534320	A1	19851001	ES 1984-534320	19840713
	DD 228155	A5	19851009	DD 1984-265268	19840713
	DD 235252	A5	19860430	DD 1984-277960	19840713
	DD 239592	A5	19861001	DD 1984-277961	19840713
	FI 8402861	A	19850116	FI 1984-2861	19840716
	RO 93862	B3	19880229	RO 1984-124999	19840716
	RO 93859	B3	19880229	RO 1984-124996	19840716
	RO 93860	B3	19880229	RO 1984-124997	19840716
	RO 93861	B3	19880229	RO 1984-124998	19840716
	RO 93863	B3	19880229	RO 1984-125000	19840716
	RO 91187	B3	19880330	RO 1984-115258	19840716
	ES 542534	A1	19860101	ES 1985-542534	19850424
	ES 542535	A1	19860101	ES 1985-542535	19850424
	ES 544385	A1	19860116	ES 1985-544385	19850620

PRAI	JP 1983-127825	19830715
	JP 1983-187004	19831007
	JP 1983-187005	19831007
	JP 1984-29504	19840221
	JP 1984-29505	19840221
	JP 1984-29506	19840221
	JP 1984-35020	19840225
	JP 1984-69129	19840409
	JP 1984-67129	19840409
	HU 1984-2744	19840713

OS CASREACT 103:178031
GI



I

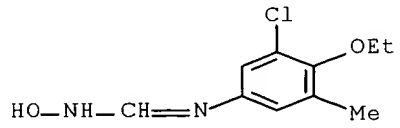
AB N-Phenylformamidoximes I [each of m and n is 0, 1, 2, 3, 4, 5; R = halo, NO2, cyano, HCO, alkanoyl, CO2H, esterified CO2H, carbamoyl; oxygenated heteroaryl, satd. or unsatd. hydrocarbyl, substituted satd. or unsatd. hydrocarbyl; Z = O, S, SO, SO2, NH, alkylimino; R1 = satd. or unsatd. hydrocarbyl, substituted satd. or unsatd. hydrocarbyl, or (ZR1)n is a doubling radical; R2 = satd. or unsatd. hydrocarbyl, substituted satd. or unsatd. hydrocarbyl], which were prepd., showed pesticidal, insecticidal, and acaricidal activity. Thus, 3,4,5-Me(EtO)2C6H2N:CHOEt was stirred with EtONH2 at room temp. to give 3,4,5-Me(EtO)2C6H2NHCH:NOEt.

IT **98868-60-1P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and O-allylation of)

RN 98868-60-1 CAPLUS

CN Methanimidamide, N-(3-chloro-4-ethoxy-5-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)

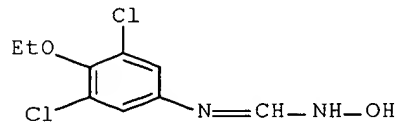


IT **98868-61-2**

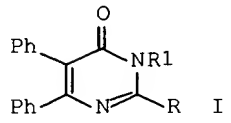
RL: RCT (Reactant)
(O-alkylation of, by di-Et sulfate)

RN 98868-61-2 CAPLUS

CN Methanimidamide, N-(3,5-dichloro-4-ethoxyphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



L4 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1984:455026 CAPLUS
DN 101:55026
TI Synthesis of 3-substituted 5,6-diphenylpyrimidin-4-ones from diphenylcyclopropenone and N-substituted amide oximes
AU Takahashi, Masahiko; Nogami, Takayuki; Nidaira, Kenichi
CS Fac. Eng., Ibaraki Univ., Hitachi, 316, Japan
SO Heterocycles (1984), 22(3), 581-4
CODEN: HTCYAM; ISSN: 0385-5414
DT Journal
LA English
OS CASREACT 101:55026
GI

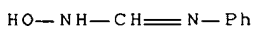


I

AB The diphenylpyrimidinones I (R = H, R1 = Ph, p-MeOC6H4, p-MeC6H4, p-ClC6H4, H; R = Ph, R1 = Ph, p-MeC6H4) were prepd. in 46-77% yield by cyclization of diphenylcyclopropenone with RC(:NOH)NR1. I (R = H, R1 = Ph) was hydrolyzed in aq. EtOH contg. OH- to give H2NCPh:CPhCONHPh.

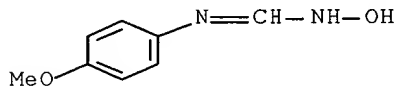
IT **6274-32-4**
RL: RCT (Reactant)
(cyclization of, with diphenylcyclopropenone, diphenylpyrimidinone derivs. from)

RN 6274-32-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-phenyl- (9CI) (CA INDEX NAME)

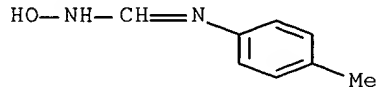


IT **69036-85-7P 90619-09-3P 90619-10-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and cyclization with diphenylcyclopropenone, diphenylpyrimidinone derivs. from)

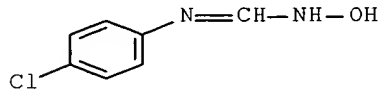
RN 69036-85-7 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 90619-09-3 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-methylphenyl)- (9CI) (CA INDEX NAME)



RN 90619-10-6 CAPLUS
CN Methanimidamide, N-(4-chlorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)

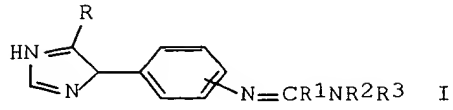


L4 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1982:562399 CAPLUS
DN 97:162399
TI N-(Imidazolylphenyl)formamidines
IN Cereda, Enzo; Donetti, Arturo; Del Soldato, Piero; Bergamaschi, Mario
PA Istituto De Angeli S.p.A., Italy
SO Eur. Pat. Appl., 47 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 53407	A2	19820609	EP 1981-201192	19811028
	EP 53407	A3	19830727		
	EP 53407	B1	19861230		
	R: AT, BE, CH, DE, FR, IT, LU, NL, SE				
	CS 249115	B2	19870312	CS 1981-7691	19811020
	CS 249544	B2	19870312	CS 1985-4409	19811020
	AT 24495	E	19870115	AT 1981-201192	19811028
	SU 1110381	A3	19840823	SU 1981-3352653	19811117
	DD 201893	A5	19830817	DD 1981-234955	19811118
	US 4386099	A	19830531	US 1981-322903	19811119
	DK 8105255	A	19820529	DK 1981-5255	19811126
	DK 157862	B	19900226		
	DK 157862	C	19900806		
	FI 8103794	A	19820529	FI 1981-3794	19811126
	FI 73209	B	19870529		
	FI 73209	C	19870910		
	IL 64388	A1	19850430	IL 1981-64388	19811126
	NO 8104065	A	19820601	NO 1981-4065	19811127
	NO 158183	B	19880418		
	NO 158183	C	19880727		
	AU 8177947	A1	19820603	AU 1981-77947	19811127
	AU 554592	B2	19860828		
	GB 2088375	A	19820609	GB 1981-35901	19811127
	GB 2088375	B2	19850109		
	JP 57120575	A2	19820727	JP 1981-190458	19811127
	JP 02033031	B4	19900725		
	ES 507501	A1	19820901	ES 1981-507501	19811127
	ES 507505	A1	19820901	ES 1981-507505	19811127
	ES 507506	A1	19820901	ES 1981-507506	19811127
	ES 507507	A1	19820901	ES 1981-507507	19811127
	ES 507508	A1	19820901	ES 1981-507508	19811127
	ES 507509	A1	19820901	ES 1981-507509	19811127
	ZA 8108240	A	19830727	ZA 1981-8240	19811127
	HU 29076	O	19840130	HU 1981-3571	19811127
	HU 187478	B	19860128		
	CA 1171092	A1	19840717	CA 1981-391057	19811127
	PL 135749	B1	19851231	PL 1981-234007	19811127
	PL 136015	B1	19860131	PL 1981-238422	19811127
	SU 1110382	A3	19840823	SU 1982-3463046	19820712
	US 4465841	A	19840814	US 1982-427884	19820929
	CA 1181080	A2	19850115	CA 1984-448583	19840229
	NO 8704353	A	19820601	NO 1987-4353	19871019
	NO 160578	B	19890123		
	NO 160578	C	19890503		

PRAI IT 1980-26323 19801128
EP 1981-201192 19811028
US 1981-322903 19811119
CA 1981-391057 19811127
NO 1981-4065 19811127

GI



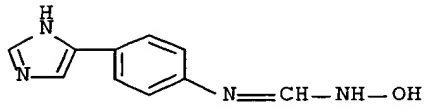
I

AB Amidines I [R, R1, and R2 (same or different) are H, alkyl; R3 = alkyl, alkenyl, alkynyl, cyano, OH, cycloalkyl, bicycloalkyl, aralkyl, aryl, heteroaryl] were prepd. and they showed antihistaminic activity (to inhibit gastric acid secretion). Thus, HCONHMe reacted with 4-(4-aminophenyl)-1H-imidazole and PhCOCl to give the resp. I (R3 = Me, R = R1 = R2 = H).

IT **83184-47-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 83184-47-8 CAPLUS

CN Methanimidamide, N-hydroxy-N'-[4-(1H-imidazol-4-yl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

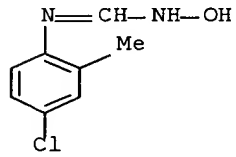
L4 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1981:120905 CAPLUS
DN 94:120905
TI N-(4-Chloro-2-methylphenyl)-N-hydroxy methanimidamide and its pesticidal use
IN Reifschneider, Walter
PA Dow Chemical Co., USA
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4237168	A	19801202	US 1979-47512	19790611

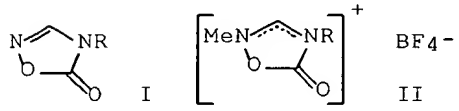
AB The title compd. [2,4-Me(Cl)C6H3NHCH:NOH] (I) was prepd. from 2,4-Me(Cl)C6H3N:CHNMe2 (II); I exhibited acaricidal and insecticidal activity. A mixt. of II, HONH2.HCl, and NaOMe in MeOH was stirred 18 h at room temp. to give I.

IT **69037-00-9P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and insecticidal activity of)

RN 69037-00-9 CAPLUS
CN Methanimidamide, N-(4-chloro-2-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



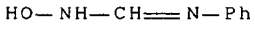
L4 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1980:146673 CAPLUS
DN 92:146673
TI Base-induced fragmentations of 1,2,4-oxadiazolin-5-ones and their N-alkyl salts
AU Olofson, R. A.; Lotts, Kenneth D.
CS Chem. Dep., Pennsylvania State Univ., University Park, PA, 16802, USA
SO Tetrahedron Lett. (1979), (34), 3131-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
GI



AB The oxadiazolinones I (R = Ph, Me3C, cyclohexyl), prepd. (53-82%) from RNHCH:NOH and COCl2 in pyridine, underwent scission to CO2 and RNHCN when treated with Et3N in CH2Cl2 at room temp. The salts II (R as before), prepd. (81-8%) from I and Me3O+ BF4- in MeNO2, were also cleaved by Et3N, giving CO2 and MeN:C:NR. A D exchange study showed that scission of II proceeded via an ylide.

IT **6274-32-4**
RL: RCT (Reactant)
(cyclocondensation of, with phosgene)

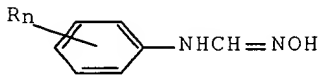
RN 6274-32-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-phenyl- (9CI) (CA INDEX NAME)



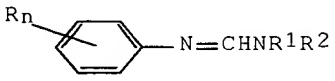
L4 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1979:54644 CAPLUS
DN 90:54644
TI Substituted N-phenylformamidoximes
IN Sinharay, Akhileswar; Bonin, Werner
PA Hoechst A.-G., Ger.
SO Ger. Offen., 10 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2717437	A1	19781026	DE 1977-2717437	19770420
	NL 7804189	A	19781024	NL 1978-4189	19780419
	JP 53132529	A2	19781118	JP 1978-45456	19780419
	BR 7802422	A	19790410	BR 1978-2422	19780419
	ZA 7802240	A	19790425	ZA 1978-2240	19780419
	BE 866194	A1	19781020	BE 1978-186962	19780420
	FR 2387946	A1	19781117	FR 1978-11659	19780420
PRAI	DE 1977-2717437		19770420		

GI



I

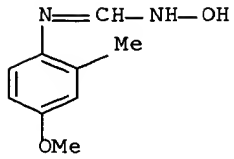


II

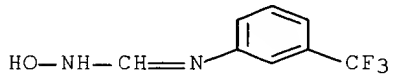
AB Eighteen formamidoximes I (R = halo, alkyl, alkoxy, alkylthio, CF3, PhO, halophenoxy, PhS, acyl, Bz, NO2; n = 1-3), useful as insecticides and acaricides (no data), were prepd. by treating II (R1,R2 = H, alkyl) or RnC6H5-nN:CHZR3 (R3 = alkyl, Z = O, S) with a hydroxylamine salt. Thus, refluxing 2,4-Me(MeO)C6H3N:CHNMe2 and H2NOH.HCl in MeOH 1 h gave 2,4-Me(MeO)C6H3NHCH:NOH.

IT **69036-83-5P 69036-84-6P 69036-85-7P**
69036-86-8P 69036-87-9P 69036-88-0P
69036-89-1P 69036-90-4P 69036-91-5P
69036-92-6P 69036-93-7P 69036-94-8P
69036-95-9P 69036-96-0P 69036-97-1P
69036-98-2P 69036-99-3P 69037-00-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

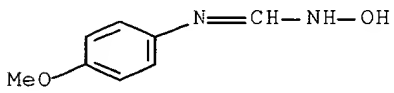
RN 69036-83-5 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)



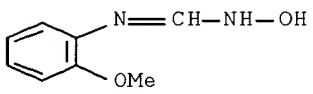
RN 69036-84-6 CAPLUS
CN Methanimidamide, N-hydroxy-N'-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



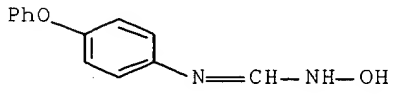
RN 69036-85-7 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



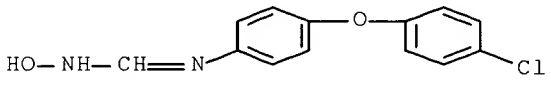
RN 69036-86-8 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 69036-87-9 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-phenoxyphenyl)- (9CI) (CA INDEX NAME)

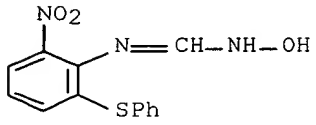


RN 69036-88-0 CAPLUS
CN Methanimidamide, N-[4-(4-chlorophenoxy)phenyl]-N'-hydroxy- (9CI) (CA INDEX NAME)

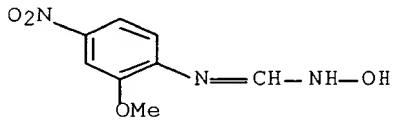


RN 69036-89-1 CAPLUS

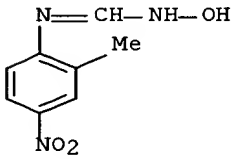
CN Methanimidamide, N-hydroxy-N'-[2-nitro-6-(phenylthio)phenyl]- (9CI) (CA INDEX NAME)



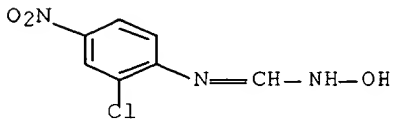
RN 69036-90-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(2-methoxy-4-nitrophenyl)- (9CI) (CA INDEX NAME)



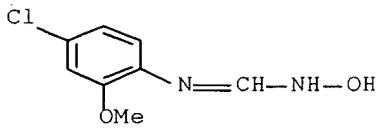
RN 69036-91-5 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(2-methyl-4-nitrophenyl)- (9CI) (CA INDEX NAME)



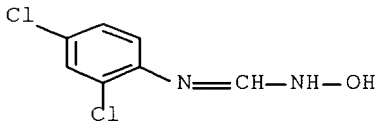
RN 69036-92-6 CAPLUS
CN Methanimidamide, N-(2-chloro-4-nitrophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



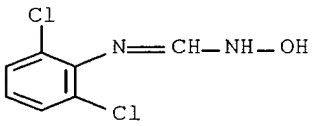
RN 69036-93-7 CAPLUS
CN Methanimidamide, N-(4-chloro-2-methoxyphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



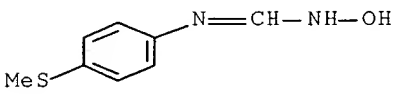
RN 69036-94-8 CAPLUS
CN Methanimidamide, N-(2,4-dichlorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



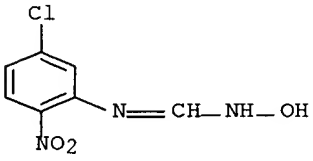
RN 69036-95-9 CAPLUS
CN Methanimidamide, N-(2,6-dichlorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



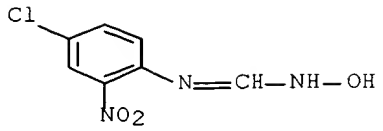
RN 69036-96-0 CAPLUS
CN Methanimidamide, N-hydroxy-N'-[4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)



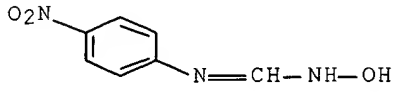
RN 69036-97-1 CAPLUS
CN Methanimidamide, N-(5-chloro-2-nitrophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



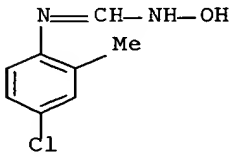
RN 69036-98-2 CAPLUS
CN Methanimidamide, N-(4-chloro-2-nitrophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



RN 69036-99-3 CAPLUS
CN Methanimidamide, N-hydroxy-N'-(4-nitrophenyl)- (9CI) (CA INDEX NAME)

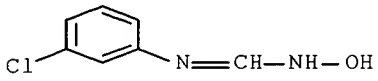


RN 69037-00-9 CAPLUS
CN Methanimidamide, N-(4-chloro-2-methylphenyl)-N'-hydroxy- (9CI) (CA INDEX
NAME)

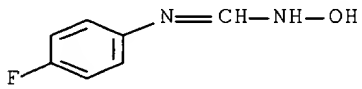


L4 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1976:179844 CAPLUS
DN 84:179844
TI Condensation of ethyl N-arylformimidates with some ammonia derivatives
AU Hussein, F. A.; Sarah, F. Y.
CS Iraq
SO Bull. Coll. Sci., Univ. Baghdad (1973), 14, 79-87
CODEN: BCOSAF
DT Journal
LA English
AB Formimidates RC6H4N:CHOEt (I; R = H, Cl, or F) reacted with amines R1NH2 (R1 = OH, H2NCONH, p-O2NC6H4NH) to give RC6H4N:CHNHR1. N2H4 reacted with 2 moles of I; PhNHNH2 gave a complex mixt.
IT **6274-32-4P 59332-86-4P 59332-90-0P**
59332-95-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 6274-32-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-phenyl- (9CI) (CA INDEX NAME)

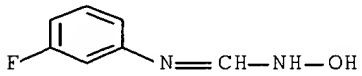
RN 59332-86-4 CAPLUS
CN Methanimidamide, N-(3-chlorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



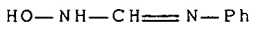
RN 59332-90-0 CAPLUS
CN Methanimidamide, N-(4-fluorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



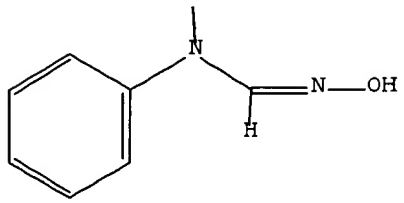
RN 59332-95-5 CAPLUS
CN Methanimidamide, N-(3-fluorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



L4 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1974:437211 CAPLUS
DN 81:37211
TI .alpha.-Addition of hydroxylamines to isocyanide
AU Zinner, Gerwalt; Heuer, Wilhelm; Moderhack, Dietrich
CS Inst. Pharm. Chem., Tech. Univ. Braunschweig, Brunswick, Ger.
SO Chem.-Ztg. (1974), 98(3), 159
CODEN: CMKZAT
DT Journal
LA German
AB RNHOH (R = H, alkyl, aralkyl) reacted with R1NC (R1 = cyclohexyl, PhCH2, Ph) in the presence of HCl to give 10 RN(OH)CH:NR1.HCl.
IT **6274-32-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 6274-32-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-phenyl- (9CI) (CA INDEX NAME)



=> d l1; d his; log y
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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FILE 'REGISTRY' ENTERED AT 15:36:36 ON 14 JUN 2002
L1 STRUCTURE UPLOADED
L2 22 S L1
L3 487 S L1 FUL

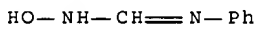
FILE 'CAPLUS' ENTERED AT 15:37:50 ON 14 JUN 2002
L4 22 S L3

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	102.92	243.79

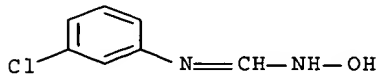
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-13.63	-13.63

STN INTERNATIONAL LOGOFF AT 15:40:29 ON 14 JUN 2002

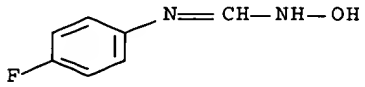
AN 1976:179844 CAPLUS
DN 84:179844
TI Condensation of ethyl N-arylformimidates with some ammonia derivatives
AU Hussein, F. A.; Sarah, F. Y.
CS Iraq
SO Bull. Coll. Sci., Univ. Baghdad (1973), 14, 79-87
CODEN: BCOSAF
DT Journal
LA English
AB Formimidates RC6H4N:CHOEt (I; R = H, Cl, or F) reacted with amines R1NH2 (R1 = OH, H2NCONH, p-O2NC6H4NH) to give RC6H4N:CHNHR1. N2H4 reacted with 2 moles of I; PhNHNH2 gave a complex mixt.
IT **6274-32-4P 59332-86-4P 59332-90-0P**
59332-95-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 6274-32-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-phenyl- (9CI) (CA INDEX NAME)



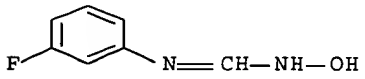
RN 59332-86-4 CAPLUS
CN Methanimidamide, N-(3-chlorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



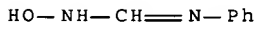
RN 59332-90-0 CAPLUS
CN Methanimidamide, N-(4-fluorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



RN 59332-95-5 CAPLUS
CN Methanimidamide, N-(3-fluorophenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



AN 1974:437211 CAPLUS
DN 81:37211
TI .alpha.-Addition of hydroxylamines to isocyanide
AU Zinner, Gerwalt; Heuer, Wilhelm; Moderhack, Dietrich
CS Inst. Pharm. Chem., Tech. Univ. Braunschweig, Brunswick, Ger.
SO Chem.-Ztg. (1974), 98(3), 159
CODEN: CMKZAT
DT Journal
LA German
AB RNHOH (R = H, alkyl, aralkyl) reacted with R1NC (R1 = cyclohexyl, PhCH2, Ph) in the presence of HCl to give 10 RN(OH)CH:NR1.HCl.
IT **6274-32-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 6274-32-4 CAPLUS
CN Methanimidamide, N-hydroxy-N'-phenyl- (9CI) (CA INDEX NAME)



L1 ANSWER 1 OF 1 WPI COPYRIGHT 2001 DERWENT INFORMATION LTD
AN 1978-76301A [43] WPIDS
TI Acaricidal N-substd. phenyl formamide oxime derivs. - partic. active against ticks of ixodidae and sarcosporidae families.
DC B05 C03
PA (FARH) HOECHST AG
CYC 8
PI BE----866194 A 19781020 (197843)*
DE---2717437 A 19781026 (197844)
NL---7804189 A 19781024 (197845)
JP--53132529 A 19781118 (197901) <--
FR---2387946 A 19781222 (197904)
ZA---7802240 A 19790301 (197920)
BR---7802422 A 19790410 (197921)
IT---1094425 B 19850802 (198644)
PRAI 1977DE-2717437 19770420
AB BE 866194 A UPAB: 19930901
N-phenyl-formamide oximes of formula (I) and their acid addition salts are new: (where n=1-3 and each R independenyl=halo, alkyl, alkoxy, alkythio, acyl, alkylamino, dialkylamino, hydroxy, CF3, phenoxy, halo-phenoxy, phenylthio, benzoyl, amino or nitro. the alkyl and acyl groups are 'lower').

(I) have low toxicity to warm blodded animals. (I) are active against ectoparasites of ixodidae (hard ticks) and sarcosporidia e.g. Boophilus microplus, Boophilus decoloratus, single-host blue ticks and ticks of species Hyalomma, Rhipicephalus, Amblyomma, Haemophysalis, Dermacentor and Ixodes. The cpds. are active against all stage of development of the ticks and cause abandonment of the host. (I) are generally applied as aq. sprays or drenchs contg. 0.01-5% of active cpd.

Cpds (I) where (Rn)=2, 4-dimethyl; 2-methyl-4-chloro and 4-phenoxy are specifically claimed.